MOOG
VIDEOLARM

PurgeDome™

Explosion-Proof Camera System

UL Class 1- Division 2 Certified, Moog Videolarm's PurgeDome Explosion Proof camera system provides a highly effective solution for monitoring activity in explosive/hazardous environments. Operating on a supply of compressed air or inert gas, the PurgeDome system regulates the pressure within the sealed camera enclosure, protecting it from extremely hazardous fumes or gases, which could ignite in a violent explosion.

Key Features

- UL approved for hazardous locations (Class 1/Division 2, Class 2/Division 2)
- Certified to UL NFPA 496 Purged and Pressurized enclosures for electrical equipment and to UL NFPA 60950-1 for information technology equipment
- 36x optical zoom and 12x digital zoom (432x Total)
- Auto focus, high-res integrated day/night IR sensitive camera/lens package
- IP66 Rating for water and dust ingress
- 360° continuous rotation
- 16 user selectable privacy zones
- Integrated power box, 110/220Vac input
- Filter-regulator with pressure gauge provides clean, protective gas to the enclosure
- Differential pressure gauge indicates internal pressure

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PURGEDOME™

IP Ready™ (Network) Digital PTZ:

PDW7CN-9

Purged dome camera system for hazardous environments, IP network PTZ camera with 36x zoom lens, day/night, MPEG-4 & MJPEG video compression format, Full D1. 110/220Vac input. The product includes the camera, power box, purge box and a 100 ft. (30.5m) of hose to connect purge box to power box

Analog PTZ:

PDW7CS-9

Purged dome camera system for hazardous environments, analog PTZ camera with 36x zoom lens, day/night, RS422 communication, Moog Videolarm, Pelco P&D protocols. 110/220Vac input. The product includes the camera, power box, purge box and a 100 ft. (30.5m) of hose to connect purge box to power box

PURGEDOME: UL HAZARD CLASSIFICATIONS:

UL LISTED

Class 1 / Division 2; Class 2 / Division 2*
Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions

Ignition Capability – Groups A, B, C & D
• Ethylene • Propane • Ace Tylene • Hydrogen

Protection Methods – Groups E, F & G
Purged/pressurized (Type Z) with US NFPA 496 Certification
* Sold as optional model, contact factory

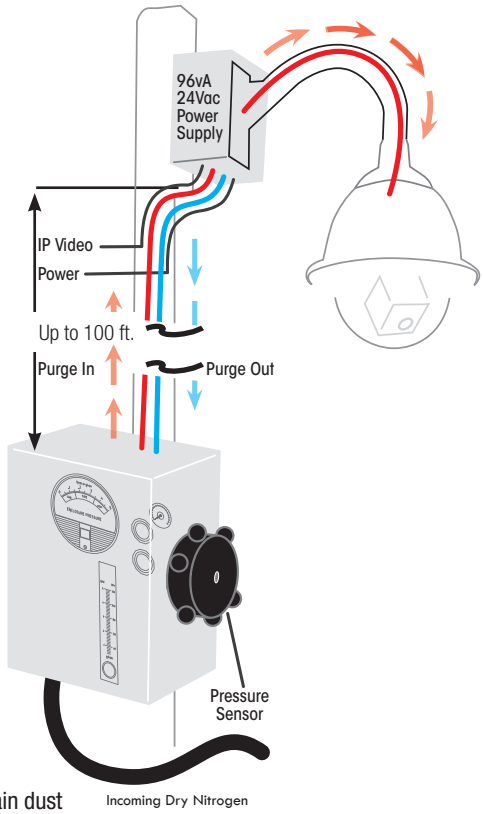
UL Certifications Under the Following:

1). **Class I, Division 2, Groups C and D**
Pressurized video camera, Model 1001A-WPS-CI-Z-PM-VIDEOLARM-01

2). **Class I, Division 2, Groups A, B, C and D**
Pressurized video camera, Model 1001A-WPSA-CI-Z-PM-VIDEOLARM-02

3). **Class II, Groups E, F and G**
Pressurized video camera, Model 1001A-WPS-CII-Z-PM-VIDEOLARM-03

Purge System Specifications	
System Dimensions:	16.6" x 16" x 6.7"
Weight:	10 Lbs.
Temperature Range:	-20ºF to 120ºF (-29ºC to 49ºC)
Supply Pressure Range:	5 - 120 psi
Supply Requirements:	Clean air or inert gas
Safe Pressure (CI/CII):	0.25/1.0
Safe Pressure Flow Rate:	0.1 - 3.5 SCFH
System Supply Fitting:	s" tube fitting
Enclosure Supply Fitting:	s" tube fitting
Enclosure Reference Fitting:	¼" tube fitting
Switch Setting (CI/CII):	0.15 / 0.5 + 0.02
Switch Conduit Port Size:	½" FPT
Switch Contact Rating:	120Vac, 15A



Metal dust, Carbonaceous dust, Grain dust

SPECIFICATIONS:

Camera Specifications		
Image Sensor:		¼" interline transfer CCD
Number of Effective Pixels:		360,000 pixels, 724 (H) x 494 (V)
Resolution:		470 (H) x 400 (V) TV lines
Lens:		36x optical, (f=3.6mm - 82.8mm)
Digital Zoom:		12x (432x with optical zoom)
Angle of View:		(H) 54° (wide end) to 2.5° (tele end)
Minimum Illumination	Color:	3 lux @ 1/60s, .2 lux @ ¼S
	B&W:	0.02 lux (¼S, IR cut filter removed)
S/N Ratio:		50 dB

PTZ Pan/Tilt/Zoom Mechanism		
Pan Movement:		360° Continuous pan rotation
Vertical Tilt Unobstructed:		0° to -90°
Manual Speeds	Pan:	.0.5°-80°/sec manual operation
Preset Speeds	Pan:	120°/sec
	Tilt:	120°/sec
Positioning:		+/-.05 degree
Construction:		Aluminum
Gearing:		Belt-driven, ¼" wide
Bearings:		Precision ball bearings, and permanently lubricated bushings

Mechanical Specifications			
Size	Camera:	14.4" x 11.2" x 11.2"	(366 x 285 x 285mm)
	Power Box:	2.3" x 8.7" x 5.7"	(374 x 208 x 369mm)
Weight:		25 Lbs.	(11.4 Kg.)

Electrical Specifications	
Power Requirements:	110/120Vac, 15A

Environmental Specifications		
Operating Temperature:	-20°F to 104°F	(-29°C to 49°C)

Network Specifications	
Network Interface:	10/100 Base-T Ethernet
Image Compression:	MPEG-4 Simple Profile (SP); JPEG; MJPEG

Certifications and Ratings		
UL LISTED		IP67
UL Listed	WEEE	IP67 Rating